

1652

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RAW SEQUENCE LISTING      DATE: 06/09/2000  
 PATENT APPLICATION: US/09/277,229      TIME: 14:04:48

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3 <110> APPLICANT: Citron, Martin  
 4 Vassar, Robert J.  
 5 Bennett, Brian D.  
 7 <120> TITLE OF INVENTION: Beta Secretase Genes and Polypeptides  
 9 <130> FILE REFERENCE: A-581  
 11 <140> CURRENT APPLICATION NUMBER: 09/277,229  
 12 <141> CURRENT FILING DATE: 1999-03-26  
 14 <160> NUMBER OF SEQ ID NOS: 26  
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133 35 40 45
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139 65 70 75 80
141 Val Gly Ser Pro Pro Gln Thr Leu Asn Ile Leu Val Asp Thr Gly Ser
142 85 90 95
144 Ser Asn Phe Ala Val Gly Ala Ala Pro His Pro Phe Leu His Arg Tyr
145 100 105 110
147 Tyr Gln Arg Gln Leu Ser Ser Thr Tyr Arg Asp Leu Arg Lys Gly Val
148 115 120 125
150 Tyr Val Pro Tyr Thr Gln Gly Lys Trp Glu Gly Glu Leu Gly Thr Asp
151 130 135 140
153 Leu Val Ser Ile Pro His Gly Pro Asn Val Thr Val Arg Ala Asn Ile
154 145 150 155 160
156 Ala Ala Ile Thr Glu Ser Asp Lys Phe Phe Ile Asn Gly Ser Asn Trp
157 165 170 175
159 Glu Gly Ile Leu Gly Leu Ala Tyr Ala Glu Ile Ala Arg Pro Asp Asp
160 180 185 190
162 Ser Leu Glu Pro Phe Phe Asp Ser Leu Val Lys Gln Thr His Val Pro
163 195 200 205
165 Asn Leu Phe Ser Leu Gln Leu Cys Gly Ala Gly Phe Pro Leu Asn Gln
166 210 215 220
168 Ser Glu Val Leu Ala Ser Val Gly Gly Ser Met Ile Ile Gly Gly Ile
169 225 230 235 240
171 Asp His Ser Leu Tyr Thr Gly Ser Leu Trp Tyr Thr Pro Ile Arg Arg
172 245 250 255
174 Glu Trp Tyr Tyr Glu Val Ile Ile Val Arg Val Glu Ile Asn Gly Gln
175 260 265 270
177 Asp Leu Lys Met Asp Cys Lys Glu Tyr Asn Tyr Asp Lys Ser Ile Val
178 275 280 285
180 Asp Ser Gly Thr Thr Asn Leu Arg Leu Pro Lys Lys Val Phe Glu Ala
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190 340 345 350
192 Thr Asn Gln Ser Phe Arg Ile Thr Ile Leu Pro Gln Gln Tyr Leu Arg
193 355 360 365
195 Pro Val Glu Asp Val Ala Thr Ser Gln Asp Asp Cys Tyr Lys Phe Ala
196 370 375 380
198 Ile Ser Gln Ser Ser Thr Gly Thr Val Met Gly Ala Val Ile Met Glu
199 385 390 395 400
201 Gly Phe Tyr Val Val Phe Asp Arg Ala Arg Lys Arg Ile Gly Phe Ala
202 405 410 415
204 Val Ser Ala Cys His Val His Asp Glu Phe Arg Thr Ala Ala Val Glu
205 420 425 430
207 Gly Pro Phe Val Thr Leu Asp Met Glu Asp Cys Gly Tyr Asn Ile Pro
208 435 440 445
210 Gln Thr Asp Glu Ser Thr Leu Met Thr Ile Ala Tyr Val Met Ala Ala
211 450 455 460
213 Ile Cys Ala Leu Phe Met Leu Pro Leu Cys Leu Met Val Cys Gln Trp
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241 Asp Asn Leu Arg Gly Lys Ser Gly Gln Gly Tyr Tyr Val Glu Met Thr
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245 85 90 95
247 Ser Asn Phe Ala Val Gly Ala Ala Pro His Pro Phe Leu His Arg Tyr
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263 180 185 190
265 Ser Leu Glu Pro Phe Phe Asp Ser Leu Val Lys Gln Thr His Ile Pro
266 195 200 205
268 Asn Ile Phe Ser Leu Gln Leu Cys Gly Ala Gly Phe Pro Leu Asn Gln
269 210 215 220
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272 225 230 235 240
274 Asp His Ser Leu Tyr Thr Gly Ser Leu Trp Tyr Thr Pro Ile Arg Arg
275 245 250 255
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278 260 265 270
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284 290 295 300
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287 305 310 315 320
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290 325 330 335
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295 Thr Asn Gln Ser Phe Arg Ile Thr Ile Leu Pro Gln Gln Tyr Leu Arg
296 355 360 365
298 Pro Val Glu Asp Val Ala Thr Ser Gln Asp Asp Cys Tyr Lys Phe Ala
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301 Val Ser Gln Ser Ser Thr Gly Thr Val Met Gly Ala Val Ile Met Glu
302 385 390 395 400
304 Gly Phe Tyr Val Val Phe Asp Arg Ala Arg Lys Arg Ile Gly Phe Ala
305 405 410 415
307 Val Ser Ala Cys His Val His Asp Glu Phe Arg Thr Ala Ala Val Glu
308 420 425 430
310 Gly Pro Phe Val Thr Ala Asp Met Glu Asp Cys Gly Tyr Asn Ile Pro
311 435 440 445
313 Gln Thr Asp Glu Ser Thr Leu Met Thr Ile Ala Tyr Val Met Ala Ala
314 450 455 460
316 Ile Cys Ala Leu Phe Met Leu Pro Leu Cys Leu Met Val Cys Gln Trp
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